

DERWENT-ACC-NO: 1994-023061  
DERWENT-WEEK: 200115  
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TITLE: Binder contains printing ink for covering plastic film -  
contains  
polyurethane contg oxazolinyl gps obtd by reacting high mol.wt.  
poly:ol,  
di-isocyanate cpd, chain extender and opt chain transfer agent

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PRIORITY-DATA: 1992JP-0164081 (May 28, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
JP 05331400 A	December 14, 1993	N/A	006
C09D 011/10			
JP 3141536 B2	March 5, 2001	N/A	006
C09D 011/10			

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	
APPL-DATE			
JP 05331400A	N/A	1992JP-0164081	May
28, 1992			
JP 3141536B2	N/A	1992JP-0164081	May
28, 1992			
JP 3141536B2	Previous Publ.	JP 5331400	N/A

INT-CL (IPC): C09D011/10; C09D175/04

ABSTRACTED-PUB-NO: JP 05331400A

BASIC-ABSTRACT: Binder contains, as main component, polyurethane obtd.  
by  
reacting high mol.wt. polyol, diisocyanate cpd., chain extending agent  
and  
opt. chain transfer agent. The polyurethane resin contains oxazolinyl  
gp.,  
and/or oxazolinyl deriv. gp.

USE/ADVANTAGE - The printing ink using the binder is useful for  
covering  
plastic film, e.g. polyester, nylon, polyethylene, polypropylene film  
etc. The  
ink has superior shelf stability and gives prints having superior  
boiling water  
resistance.

In an example, 1000 pts.wt. of poly(1,2-propylene adipate) glycol  
having  
mol.wt. of 2000 and 22 pts.wt. of isophorone diisocyanate were reacted  
at 100

*NH<sub>2</sub> / NCO ~ 1/1*  
*dime* *maybe a little less*